

# PRODUCT DATASHEET

## PANEL INDV EM 600 33 W 4000K

PANEL IndiviLED® EMERGENCY 600 | Square recessed luminaire with IndiviLED® optics, self-contained emergency luminaire, 600mm



PERFOR-  
MANCE  
CLASS

### Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation
- Reception areas, foyers, corridors, elevators
- Offices, conference rooms
- Suitable for recessed ceiling systems with grid size of 600 x 600 mm

### Product benefits

- Homogenous light distribution and reduced glare thanks to the IndiviLED® optics
- Seamless integration of luminaires with emergency lighting function into general lighting
- Easy wiring thanks to included prewired driver and battery for Emergency lighting function
- Simple testing of luminaires with emergency lighting function thanks to integrated automatic test function
- Convenient visualization of results of automatic test with an included control LED
- Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge time
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)
- Robust structure with IK08
- Low flicker light thanks to special electronic control gear
- 3 years guarantee



## Product features

- Each LED with individual lens and reflector for UGR < 16 and homogenous light distribution
- Luminaire suited for normal lighting and emergency lighting
- Certified according to European norms (EN 60598-1:2015; EN 60598-2-22:2014)
- Self-contained luminaires
- Emergency lighting function: battery discharge time of 3 h
- Function test of emergency lighting: automatic (AT)
- Battery technology: LiFePO4
- Metal housing, polycarbonate (PC) lenses and reflectors
- Luminous efficacy: up to 120 lm/W
- Initial color consistency: 3 SDCM
- Glow Wire Test according to IEC 60695-2-12: 850 °C

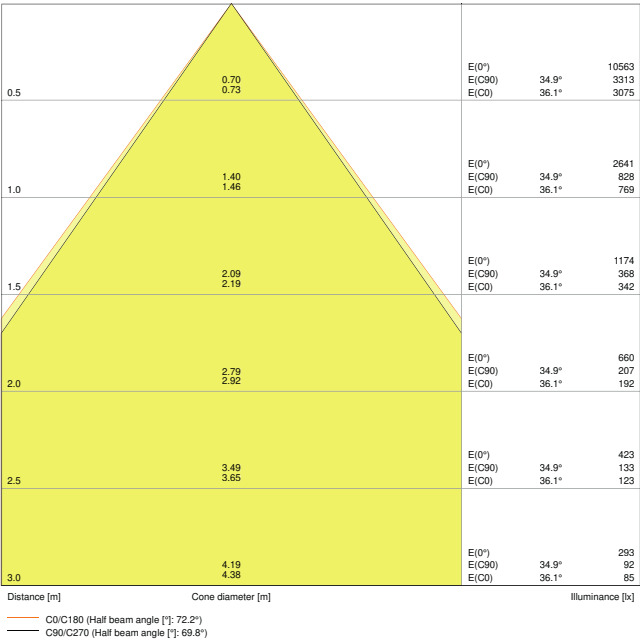
## TECHNICAL DATA

### Electrical data

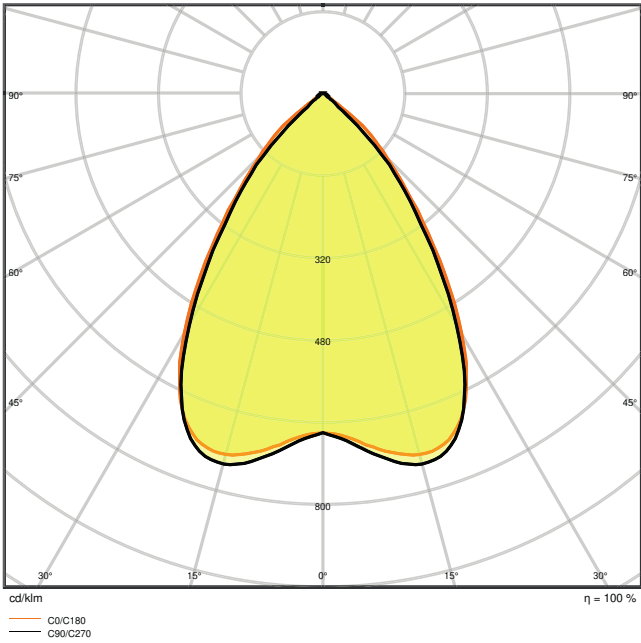
|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 33.00 W             |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 50/60 Hz            |
| Nominal current                                             | 180.000 mA          |
| Inrush current                                              | 36.4 A              |
| Inrush current time $T_{h50}$                               | 80 $\mu$ s          |
| Max. number of luminaires per miniature circuit breaker B16 | 58                  |
| Max. number of luminaires per miniature circuit breaker C10 | 36                  |
| Max. number of luminaires per miniature circuit breaker C16 | 58                  |
| Power factor $\lambda$                                      | > 0.90              |
| Total harmonic distortion                                   | < 20 %              |
| Protection class                                            | II                  |
| Operating mode                                              | External LED driver |

### Photometrical data

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux                                | 4000 lm    |
| Luminous efficacy                            | 120 lm/W   |
| Color temperature                            | 4000 K     |
| Light color (designation)                    | Cool White |
| Color rendering index Ra                     | $\geq 80$  |
| Standard deviation of color matching         | 3 sdcm     |
| Luminous intensity                           | -          |
| Low flicker                                  | Yes        |
| Flickering metric (Pst LM)                   | -          |
| Stroboscope effect metric (SVM)              | -          |
| Photobiological safety group acc. to EN62778 | RG1        |
| Beam angle                                   | 70 °       |
| UGR                                          | < 16       |



Panel Indv 600 33W 4000K EM



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Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 595.00 mm |
| Width          | 595.00 mm |
| Height         | 13.00 mm  |
| Product weight | 3700.00 g |



Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | White              |
| Housing color                              | White              |
| Body material                              | Steel              |
| Cover material                             | Polycarbonate (PC) |
| Light emitting surface material            | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C             |
| Mercury content                            | 0.0 mg             |

Application & Mounting

|                                        |                                             |
|----------------------------------------|---------------------------------------------|
| Ambient temperature range              | +5...+40 °C                                 |
| Temperature range at storage           | 5...+35 °C                                  |
| Type of connection                     | Screw terminal, 2-POLE (N, L, L switchable) |
| Type of protection                     | IP40                                        |
| Protection class IK (shock resistance) | IK08                                        |
| Dimmable                               | No                                          |
| Mounting type                          | Recessed                                    |
| Mounting location                      | Ceiling                                     |
| Application environment                | Indoor                                      |
| Mounting length                        | 575 mm                                      |

|                          |         |
|--------------------------|---------|
| Mounting width           | 575 mm  |
| Mounting depth           | 50,0 mm |
| With light source        | Yes     |
| Replaceable light source | No      |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 80000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 60000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 60000 h               |
| Lifespan L90/B10 at 25 °C  | 35000 h               |
| Number of switching cycles | 25000                 |

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

### BATTERY

|                             |          |
|-----------------------------|----------|
| Type of Battery             | LiFePO4  |
| Battery size [GMS]          | Others   |
| Nominal voltage of battery  | 3.2 V    |
| Nominal capacity of battery | 4500 mAh |
| Battery charging time       | < 24 h   |

### Emergency lighting

|                                            |                                             |
|--------------------------------------------|---------------------------------------------|
| Area of emergency application              | Anti-panic lighting / Escape route lighting |
| Type of emergency light operation          | Maintained / Non-maintained                 |
| Type of emergency operation test           | Automatic                                   |
| Wattage in maintained operation mode       | 33 W                                        |
| Wattage in emergency operation mode        | 3,0 W                                       |
| Luminous flux in maintained operation mode | 4000 lm                                     |
| Luminous flux in emergency operation mode  | 480 lm                                      |
| Battery life in emergency operation mode   | 3 h                                         |
| Integrated test switch                     | No                                          |

### Certificates & Standards

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Standards                                            | CE / CB / EAC   |
| Luminaire with limited surface temperature, "D sign" | No              |
| Ball shot safe                                       | No              |
| Replaceable light source (EPREL)                     | Not replaceable |

Accessories Optional

| Product image                                                                     | Product name                        | EAN           |
|-----------------------------------------------------------------------------------|-------------------------------------|---------------|
|  | CONNECTOR BOX 5POLE L/N/PE/D+/D- 4x | 4058075473034 |
|  | PANEL RECESSED MOUNT CLIPS VAL 4x   | 4058075409859 |

EQUIPMENT / ACCESSORIES

- Optional mounting clips available
- Security rope for luminaire included
- External control gear included
- Control LED with a retainer for recessed installation included

DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|  | User instruction / safety instructions | UI PANEL INDVILED EMERGENCY        |
|  | Legal information                      | LSI PANEL INDV EM                  |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Declarations of conformity             | PANEL INDV EM                      |
| Photometric and lighting design files                                              |                                        | Document name                      |
|  | IES file (IES)                         | Panel Indv 600 33W 4000K EM        |
|  | LDT file (Eulumdat)                    | Panel Indv 600 33W 4000K EM        |
|  | ULD file (DIALux)                      | PANEL INDV 600 33W-4000K           |
|  | ROLF file (RELUX)                      | PANEL INDV 600 33W-4000K           |

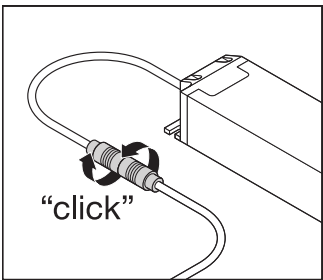
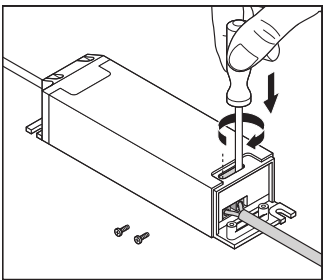
| Photometric and lighting design files                                             |                                     | Document name                              |
|-----------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------|
|  | UGR file (UGR table)                | Panel Indv 600 33W 4000K EM                |
|   | Light distribution curve type cone  | Panel Indv 600 33W 4000K EM                |
|   | Light distribution curve type polar | Panel Indv 600 33W 4000K EM                |
| CAD/BIM files                                                                     |                                     | Document name                              |
|   | BIM Revit 3D                        | PANEL Indiv                                |
|   | CAD STEP 3D                         | PANEL Indiv 600                            |
| Tender texts                                                                      |                                     | Document name                              |
|   | Tender documents                    | PANEL IndivLED EMERGENCY 600 33 W 4000K-EN |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume     |
|---------------|------------------------------|--------------------------------------|--------------|------------|
| 4058075201316 | Folding box<br>1             | 646 mm x 48 mm x 737 mm              | 4215.00 g    | 22.85 dm³  |
| 4058075201323 | Shipping box<br>4            | 750 mm x 210 mm x 658 mm             | 17615.00 g   | 103.64 dm³ |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION



References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

**DISCLAIMER**

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